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reporting form from EPA by submitting a request for this information as follows:

(1) *By phone.* Call the EPA TSCA Hotline at (202) 554–1404.

(2) *By e-mail.* Send an e-mail request for this information to the EPA TSCA Hotline at TSCA-Hotline@epamail.epa.gov.

(3) *By mail.* Send a written request for this information to the following address: TSCA Hotline, Mail Code 7408M, ATTN: Inventory Update Rule, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

(d) *Submit the completed reports.* You must submit your completed reporting form(s) and/or magnetic media to EPA at the following address: OPPT Document Control Officer, Mail Code 7407M, ATTN: Inventory Update Rule, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460.

[63 FR 45953, Aug. 28, 1998, as amended at 68 FR 890, Jan. 7, 2003]

Subpart C—Inventory Update Reporting for 2006 and Beyond

SOURCE: 68 FR 890, Jan. 7, 2003, unless otherwise noted.

§ 710.43 Definitions.

In addition to the definitions in § 704.3 of this chapter and § 710.3, the following definitions also apply to subpart C of this part:

Commercial use means the use of a chemical substance or mixture in a commercial enterprise providing saleable goods or services (e.g., dry cleaning establishment, painting contractor).

Consumer use means the use of a chemical substance that is directly, or as part of a mixture, sold to or made available to consumers for their use in or around a permanent or temporary household or residence, in or around a school, or in or around recreational areas.

Industrial use means use at a site at which one or more chemical substances

or mixtures are manufactured (including imported) or processed.

Intended for use by children means the chemical substance or mixture is used in or on a product that is specifically intended for use by children age 14 or younger. A chemical substance or mixture is intended for use by children when the submitter answers “yes” to at least one of the following questions for the product into which the submitter’s chemical substance or mixture is incorporated:

(1) Is the product commonly recognized (i.e., by a reasonable person) as being intended for children age 14 or younger?

(2) Does the manufacturer of the product state through product labeling or other written materials that the product is intended for or will be used by children age 14 or younger?

(3) Is the advertising, promotion, or marketing of the product aimed at children age 14 or younger?

Known to or reasonably ascertainable by means all information in a person’s possession or control, plus all information that a reasonable person similarly situated might be expected to possess, control, or know.

Master Inventory File means EPA’s comprehensive list of chemical substances which constitute the Chemical Substances Inventory compiled under section 8(b) of the Act. It includes substances reported under subpart A of this part and substances reported under part 720 of this chapter for which a Notice of Commencement of Manufacture or Import has been received under § 720.120 of this chapter.

Readily obtainable information means information which is known by management and supervisory employees of the submitter company who are responsible for manufacturing, processing, distributing, technical services, and marketing of the reportable chemical substance. Extensive file searches are not required.

Reasonably likely to be exposed means an exposure to a chemical substance which, under foreseeable conditions of manufacture (including import), processing, distribution in commerce, or use of the chemical substance, is more likely to occur than not to occur. Such exposures would normally include, but

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would not be limited to, activities such as charging reactor vessels, drumming, bulk loading, cleaning equipment, maintenance operations, materials handling and transfers, and analytical operations. Covered exposures include exposures through any route of entry (inhalation, ingestion, skin contact, absorption, etc.), but excludes accidental or theoretical exposures.

Repackaging means the physical transfer of a chemical substance or mixture, as is, from one container to another container or containers in preparation for distribution of the chemical substance or mixture in commerce.

Reportable chemical substance means a chemical substance described in § 710.45.

Reporting year means the calendar year in which information to be reported to EPA during an IUR submission period is generated, i.e., calendar year 2005 and the calendar year at 5-year intervals thereafter.

Site-limited means a chemical substance is manufactured and processed only within a site and is not distributed for commercial purposes as a substance or as part of a mixture or article outside the site. Imported substances are never site-limited. Although a site-limited chemical substance is not distributed for commercial purposes outside the site at which it is manufactured and processed, the substance is considered to have been manufactured and processed for commercial purposes.

Submission period means the period in which the information generated during the reporting year is submitted to EPA.

Use means any utilization of a chemical substance or mixture that is not otherwise covered by the terms *manufacture* or *process*. Relabeling or redistributing a container holding a chemical substance or mixture where no repackaging of the chemical substance or mixture occurs does not constitute use or processing of the chemical substance or mixture.

[68 FR 890, Jan. 7, 2003, as amended at 69 FR 40791, July 7, 2004; 70 FR 75068, Dec. 19, 2005]

§ 710.45 Chemical substances for which information must be reported.

Any chemical substance which is in the Master Inventory File at the beginning of a submission period described in § 710.53, unless the chemical substance is specifically excluded by § 710.46.

§ 710.46 Chemical substances for which information is not required.

The following groups or categories of chemical substances are exempted from some or all of the reporting requirements of this subpart, with the following exception: A chemical substance described in paragraph (a)(1), (a)(2), or (a)(4), or (b) of this section is not exempted from any of the reporting requirements of this subpart if that substance is the subject of a rule proposed or promulgated under section 4, 5(a)(2), 5(b)(4), or 6 of the Act, or is the subject of an order issued under section 5(e) or 5(f) of the Act, or is the subject of relief that has been granted under a civil action under section 5 or 7 of the Act.

(a) *Full exemptions.* The following categories of chemical substances are exempted from the reporting requirements of this subpart.

(1) *Polymers.* (i) Any chemical substance described with the word fragments “*polym*”, “*alkyd*”, or “*oxylated*” in the Chemical Abstracts Service Index or Preferred Nomenclature in the Chemical Substance Identities section of the Master Inventory File, where the asterisk (*) indicates that any sets of characters may precede, or follow, the character string defined.

(ii) Any chemical substance which is identified in the Master Inventory File as siloxane and silicone, silsesquioxane, a protein (albumin, casein, gelatin, gluten, hemoglobin), an enzyme, a polysaccharide (starch, cellulose, gum), rubber, or lignin.

(iii) This exclusion does not apply to a polymeric substance that has been hydrolyzed, depolymerized, or otherwise chemically modified, except in cases where the intended product of this reaction is totally polymeric in structure.

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(2) *Microorganisms*. Any combination of chemical substances that is a living organism, and that meets the definition of “microorganism” at § 725.3 of this chapter. Any chemical substance produced from a living microorganism is reportable under this subpart unless otherwise excluded.

(3) *Naturally occurring chemical substances*. Any naturally occurring chemical substance, as described in § 710.4(b). The applicability of this exclusion is determined in each case by the specific activities of the person who manufactures the substance in question. Some chemical substances can be manufactured both as described in § 710.4(b) and by means other than those described in § 710.4(b). If a person described in § 710.48 manufactures a chemical substance by means other than those described in § 710.4(b), the person must report regardless of whether the substance also could have been produced as described in § 710.4(b). Any chemical substance that is produced from such a naturally occurring chemical substance described in § 710.4(b) is reportable unless otherwise excluded.

(4) *Certain forms of natural gas*. Chemical substances with the following Chemical Abstract Service (CAS) Registry Numbers: CAS No. 64741-48-6, Natural gas (petroleum), raw liquid mix; CAS No. 68919-39-1, Natural gas condensates; CAS No. 8006-61-9, Gasoline natural; CAS No. 68425-31-0, Gasoline (natural gas), natural; CAS No. 8006-14-2, Natural gas; and CAS No. 68410-63-9, Natural gas, dried.

(b) *Partial exemptions*. The following groups of chemical substances are partially exempted from the reporting requirements of this subpart (i.e., the information described in § 710.52(c)(4) need not be reported for these substances). Such chemical substances are not excluded from the other reporting requirements under this subpart. A chemical substance described in paragraph (b)(3) of this section qualifies for a partial reporting exemption during the 2006 submission period; in subsequent submission periods, the chemical substances described in paragraph (b)(3) of this section will be subject to full reporting under this subpart (i.e., all of the information described in this

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subpart must be reported), unless otherwise exempted.

(1) *Petroleum process streams*. EPA has designated the following chemical substances, listed by CAS Number, as partially exempt from reporting under the IUR.

CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED “PETROLEUM PROCESS STREAMS” FOR PURPOSES OF INVENTORY UPDATE REPORTING

CAS No.	Product
7732-18-5	Water
8002-05-9	Petroleum
8002-74-2	Paraffin waxes and hydrocarbon waxes
8006-20-0	Fuel gases, low and medium B.T.U.
8008-20-6	Kerosine (petroleum)
8009-03-8	Petrolatum
8012-95-1	Paraffin oils
8030-30-6	Naphtha
8032-32-4	Ligroine
8042-47-5	White mineral oil (petroleum)
8052-41-3	Stoddard solvent
8052-42-4	Asphalt
61789-60-4	Pitch
63231-60-7	Paraffin waxes and hydrocarbon waxes, microcryst.
64741-41-9	Naphtha (petroleum), heavy straight-run
64741-42-0	Naphtha (petroleum), full-range straight-run
64741-43-1	Gas oils (petroleum), straight-run
64741-44-2	Distillates (petroleum), straight-run middle
64741-45-3	Residues (petroleum), atm. tower
64741-46-4	Naphtha (petroleum), light straight-run
64741-47-5	Natural gas condensates (petroleum)
64741-49-7	Condensates (petroleum), vacuum tower
64741-50-0	Distillates (petroleum), light paraffinic
64741-51-1	Distillates (petroleum), heavy paraffinic
64741-52-2	Distillates (petroleum), light naphthenic
64741-53-3	Distillates (petroleum), heavy naphthenic
64741-54-4	Naphtha (petroleum), heavy catalytic cracked
64741-55-5	Naphtha (petroleum), light catalytic cracked
64741-56-6	Residues (petroleum), vacuum
64741-57-7	Gas oils (petroleum), heavy vacuum
64741-58-8	Gas oils (petroleum), light vacuum
64741-59-9	Distillates (petroleum), light catalytic cracked
64741-60-2	Distillates (petroleum), intermediate catalytic cracked
64741-61-3	Distillates (petroleum), heavy catalytic cracked
64741-62-4	Clarified oils (petroleum), catalytic cracked
64741-63-5	Naphtha (petroleum), light catalytic reformed
64741-64-6	Naphtha (petroleum), full-range alkylate
64741-65-7	Naphtha (petroleum), heavy alkylate
64741-66-8	Naphtha (petroleum), light alkylate
64741-67-9	Residues (petroleum), catalytic reformer fractionator
64741-68-0	Naphtha (petroleum), heavy catalytic reformed
64741-69-1	Naphtha (petroleum), light hydrocracked
64741-70-4	Naphtha (petroleum), isomerization
64741-73-7	Distillates (petroleum), alkylate
64741-74-8	Naphtha (petroleum), light thermal cracked
64741-75-9	Residues (petroleum), hydrocracked
64741-76-0	Distillates (petroleum), heavy hydrocracked
64741-77-1	Distillates (petroleum), light hydrocracked
64741-78-2	Naphtha (petroleum), heavy hydrocracked
64741-79-3	Coke (petroleum)

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED "PETROLEUM PROCESS STREAMS" FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
64741-80-6	Residues (petroleum), thermal cracked
64741-81-7	Distillates (petroleum), heavy thermal cracked
64741-82-8	Distillates (petroleum), light thermal cracked
64741-83-9	Naphtha (petroleum), heavy thermal cracked
64741-84-0	Naphtha (petroleum), solvent-refined light
64741-85-1	Raffinates (petroleum), sorption process
64741-86-2	Distillates (petroleum), sweetened middle
64741-87-3	Naphtha (petroleum), sweetened
64741-88-4	Distillates (petroleum), solvent-refined heavy paraffinic
64741-89-5	Distillates (petroleum), solvent-refined light paraffinic
64741-90-8	Gas oils (petroleum), solvent-refined
64741-91-9	Distillates (petroleum), solvent-refined middle
64741-92-0	Naphtha (petroleum), solvent-refined heavy
64741-95-3	Residual oils (petroleum), solvent deasphalted
64741-96-4	Distillates (petroleum), solvent-refined heavy naphthenic
64741-97-5	Distillates (petroleum), solvent-refined light naphthenic
64741-98-6	Extracts (petroleum), heavy naphtha solvent
64741-99-7	Extracts (petroleum), light naphtha solvent
64742-01-4	Residual oils (petroleum), solvent-refined
64742-03-6	Extracts (petroleum), light naphthenic distillate solvent
64742-04-7	Extracts (petroleum), heavy paraffinic distillate solvent
64742-05-8	Extracts (petroleum), light paraffinic distillate solvent
64742-06-9	Extracts (petroleum), middle distillate solvent
64742-07-0	Raffinates (petroleum), residual oil decarbonization
64742-08-1	Raffinates (petroleum), heavy naphthenic distillate decarbonization
64742-09-2	Raffinates (petroleum), heavy paraffinic distillate decarbonization
64742-10-5	Extracts (petroleum), residual oil solvent
64742-11-6	Extracts (petroleum), heavy naphthenic distillate solvent
64742-12-7	Gas oils (petroleum), acid-treated
64742-13-8	Distillates (petroleum), acid-treated middle
64742-14-9	Distillates (petroleum), acid-treated light
64742-15-0	Naphtha (petroleum), acid-treated
64742-16-1	Petroleum resins
64742-18-3	Distillates (petroleum), acid-treated heavy naphthenic
64742-19-4	Distillates (petroleum), acid-treated light naphthenic
64742-20-7	Distillates (petroleum), acid-treated heavy paraffinic
64742-21-8	Distillates (petroleum), acid-treated light paraffinic
64742-22-9	Naphtha (petroleum), chemically neutralized heavy
64742-23-0	Naphtha (petroleum), chemically neutralized light
64742-24-1	Sludges (petroleum), acid
64742-25-2	Lubricating oils (petroleum), acid-treated spent
64742-26-3	Hydrocarbon waxes (petroleum), acid-treated

CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED "PETROLEUM PROCESS STREAMS" FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
64742-27-4	Distillates (petroleum), chemically neutralized heavy paraffinic
64742-28-5	Distillates (petroleum), chemically neutralized light paraffinic
64742-29-6	Gas oils (petroleum), chemically neutralized
64742-30-9	Distillates (petroleum), chemically neutralized middle
64742-31-0	Distillates (petroleum), chemically neutralized light
64742-32-1	Lubricating oils (petroleum), chemically neutralized spent
64742-33-2	Hydrocarbon waxes (petroleum), chemically neutralized
64742-34-3	Distillates (petroleum), chemically neutralized heavy naphthenic
64742-35-4	Distillates (petroleum), chemically neutralized light naphthenic
64742-36-5	Distillates (petroleum), clay-treated heavy paraffinic
64742-37-6	Distillates (petroleum), clay-treated light paraffinic
64742-38-7	Distillates (petroleum), clay-treated middle
64742-39-8	Neutralizing agents (petroleum), spent sodium carbonate
64742-40-1	Neutralizing agents (petroleum), spent sodium hydroxide
64742-41-2	Residual oils (petroleum), clay-treated
64742-42-3	Hydrocarbon waxes (petroleum), clay-treated microcryst.
64742-43-4	Paraffin waxes (petroleum), clay-treated
64742-44-5	Distillates (petroleum), clay-treated heavy naphthenic
64742-45-6	Distillates (petroleum), clay-treated light naphthenic
64742-46-7	Distillates (petroleum), hydrotreated middle
64742-47-8	Distillates (petroleum), hydrotreated light
64742-48-9	Naphtha (petroleum), hydrotreated heavy
64742-49-0	Naphtha (petroleum), hydrotreated light
64742-50-3	Lubricating oils (petroleum), clay-treated spent
64742-51-4	Paraffin waxes (petroleum), hydrotreated
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
64742-55-8	Distillates (petroleum), hydrotreated light paraffinic
64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic
64742-57-0	Residual oils (petroleum), hydrotreated
64742-58-1	Lubricating oils (petroleum), hydrotreated spent
64742-59-2	Gas oils (petroleum), hydrotreated vacuum
64742-60-5	Hydrocarbon waxes (petroleum), hydrotreated microcryst.
64742-61-6	Slack wax (petroleum)
64742-62-7	Residual oils (petroleum), solvent-dewaxed
64742-63-8	Distillates (petroleum), solvent-dewaxed heavy naphthenic
64742-64-9	Distillates (petroleum), solvent-dewaxed light naphthenic
64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic
64742-67-2	Foots oil (petroleum)

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED "PETROLEUM PROCESS STREAMS" FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
64742-68-3	Naphthenic oils (petroleum), catalytic dewaxed heavy
64742-69-4	Naphthenic oils (petroleum), catalytic dewaxed light
64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy
64742-71-8	Paraffin oils (petroleum), catalytic dewaxed light
64742-72-9	Distillates (petroleum), catalytic dewaxed middle
64742-73-0	Naphtha (petroleum), hydrodesulfurized light
64742-75-2	Naphthenic oils (petroleum), complex dewaxed heavy
64742-76-3	Naphthenic oils (petroleum), complex dewaxed light
64742-78-5	Residues (petroleum), hydrodesulfurized atmospheric tower
64742-79-6	Gas oils (petroleum), hydrodesulfurized
64742-80-9	Distillates (petroleum), hydrodesulfurized middle
64742-81-0	Kerosine (petroleum), hydrodesulfurized
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy
64742-83-2	Naphtha (petroleum), light steam-cracked
64742-85-4	Residues (petroleum), hydrodesulfurized vacuum
64742-86-5	Gas oils (petroleum), hydrodesulfurized heavy vacuum
64742-87-6	Gas oils (petroleum), hydrodesulfurized light vacuum
64742-88-7	Solvent naphtha (petroleum), medium aliph.
64742-89-8	Solvent naphtha (petroleum), light aliph.
64742-90-1	Residues (petroleum), steam-cracked
64742-91-2	Distillates (petroleum), steam-cracked
64742-92-3	Petroleum resins, oxidized
64742-93-4	Asphalt, oxidized
64742-94-5	Solvent naphtha (petroleum), heavy arom.
64742-95-6	Solvent naphtha (petroleum), light arom.
64742-96-7	Solvent naphtha (petroleum), heavy aliph.
64742-97-8	Distillates (petroleum), oxidized heavy
64742-98-9	Distillates (petroleum), oxidized light
64742-99-0	Residual oils (petroleum), oxidized
64743-00-6	Hydrocarbon waxes (petroleum), oxidized
64743-01-7	Petrolatum (petroleum), oxidized
64743-02-8	Alkenes, C>10 .alpha.-
64743-03-9	Phenols (petroleum)
64743-04-0	Coke (petroleum), recovery
64743-05-1	Coke (petroleum), calcined
64743-06-2	Extracts (petroleum), gas oil solvent
64743-07-3	Sludges (petroleum), chemically neutralized
64754-89-8	Naphthenic acids (petroleum), crude
64771-71-7	Paraffins (petroleum), normal C>10
64771-72-8	Paraffins (petroleum), normal C5-20
67254-74-4	Naphthenic oils
67674-12-8	Residual oils (petroleum), oxidized, compounds with triethanolamine
67674-13-9	Petrolatum (petroleum), oxidized, partially deacidified
67674-15-1	Petrolatum (petroleum), oxidized, Me ester
67674-16-2	Hydrocarbon waxes (petroleum), oxidized, partially deacidified
67674-17-3	Distillates (petroleum), oxidized light, compounds with triethanolamine
67674-18-4	Distillates (petroleum), oxidized light, Bu esters
67891-79-6	Distillates (petroleum), heavy arom.

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CAS No.	Product
67891-80-9	Distillates (petroleum), light arom.
67891-81-0	Distillates (petroleum), oxidized light, potassium salts
67891-82-1	Hydrocarbon waxes (petroleum), oxidized, compounds with ethanolamine
67891-83-2	Hydrocarbon waxes (petroleum), oxidized, compounds with isopropanolamine
67891-85-4	Hydrocarbon waxes (petroleum), oxidized, compounds with triisopropanolamine
67891-86-5	Hydrocarbon waxes (petroleum), oxidized, compds. with diisopropanolamine
68131-05-5	Hydrocarbon oils, process blends
68131-49-7	Aromatic hydrocarbons, C6-10, acid-treated, neutralized
68131-75-9	Gases (petroleum), C3-4
68153-22-0	Paraffin waxes and Hydrocarbon waxes, oxidized
68187-57-5	Pitch, coal tar-petroleum
68187-58-6	Pitch, petroleum, arom.
68187-60-0	Hydrocarbons, C4, ethane-propane-cracked
68307-98-2	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber
68307-99-3	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer
68308-00-9	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free
68308-01-0	Tail gas (petroleum), cracked distillate hydrotreater stripper
68308-02-1	Tail gas (petroleum), distn., hydrogen sulfide-free
68308-03-2	Tail gas (petroleum), gas oil catalytic cracking absorber
68308-04-3	Tail gas (petroleum), gas recovery plant
68308-05-4	Tail gas (petroleum), gas recovery plant deethanizer
68308-06-5	Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free
68308-07-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free
68308-08-7	Tail gas (petroleum), isomerized naphtha fractionation stabilizer
68308-09-8	Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free
68308-10-1	Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free
68308-11-2	Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer
68308-12-3	Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free
68308-27-0	Fuel gases, refinery
68333-22-2	Residues (petroleum), atmospheric
68333-23-3	Naphtha (petroleum), heavy coker
68333-24-4	Hydrocarbon waxes (petroleum), oxidized, compds. with triethanolamine
68333-25-5	Distillates (petroleum), hydrodesulfurized light catalytic cracked
68333-26-6	Clarified oils (petroleum), hydrodesulfurized catalytic cracked
68333-27-7	Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked
68333-28-8	Distillates (petroleum), hydrodesulfurized heavy catalytic cracked

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED "PETROLEUM PROCESS STREAMS" FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
68333-29-9	Residues (petroleum), light naphtha solvent extracts
68333-30-2	Distillates (petroleum), oxidized heavy thermal cracked
68333-81-3	Alkanes, C4-12
68333-88-0	Aromatic hydrocarbons, C9-17
68334-30-5	Fuels, diesel
68409-99-4	Gases (petroleum), catalytic cracked overheads
68410-00-4	Distillates (petroleum), crude oil
68410-05-9	Distillates (petroleum), straight-run light
68410-12-8	Distillates (petroleum), steam-cracked, C5-10 fraction, high-temp. stripping products with light steam-cracked petroleum naphtha C5 fraction polymers
68410-71-9	Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.
68410-96-8	Distillates (petroleum), hydrotreated middle, intermediate boiling
68410-97-9	Distillates (petroleum), light distillate hydrotreating process, low-boiling
68410-98-0	Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads
68411-00-7	Alkenes, C>8
68425-29-6	Distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending
68425-33-2	Petrolatum (petroleum), oxidized, barium salt
68425-34-3	Petrolatum (petroleum), oxidized, calcium salt
68425-35-4	Raffinates (petroleum), reformer, Lurgi unit-sepd.
68425-39-8	Alkenes, C>10 .alpha.-, oxidized
68441-09-8	Hydrocarbon waxes (petroleum), clay-treated microcrst., contg. polyethylene, oxidized
68459-78-9	Alkenes, C18-24 .alpha.-, dimers
68475-57-0	Alkanes, C1-2
68475-58-1	Alkanes, C2-3
68475-59-2	Alkanes, C3-4
68475-60-5	Alkanes, C4-5
68475-61-6	Alkenes, C5, naphtha-raffinate pyrolyzate-derived
68475-70-7	Aromatic hydrocarbons, C6-8, naphtha-raffinate pyrolyzate-derived
68475-79-6	Distillates (petroleum), catalytic reformed depentanizer
68475-80-9	Distillates (petroleum), light steam-cracked naphtha
68476-26-6	Fuel gases
68476-27-7	Fuel gases, amine system residues
68476-28-8	Fuel gases, C6-8 catalytic reformer
68476-29-9	Fuel gases, crude oil distillates
68476-30-2	Fuel oil, no. 2
68476-31-3	Fuel oil, no. 4
68476-32-4	Fuel oil, residues-straight-run gas oils, high-sulfur
68476-33-5	Fuel oil, residual
68476-34-6	Fuels, diesel, no. 2
68476-39-1	Hydrocarbons, aliph.-arom.-C4-5-olefinic
68476-40-4	Hydrocarbons, C3-4
68476-42-6	Hydrocarbons, C4-5
68476-43-7	Hydrocarbons, C4-6, C5-rich
68476-44-8	Hydrocarbons, C>3
68476-45-9	Hydrocarbons, C5-10 arom. conc., ethylene-manuf.-by-product
68476-46-0	Hydrocarbons, C3-11, catalytic cracker distillates

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CAS No.	Product
68476-47-1	Hydrocarbons, C2-6, C6-8 catalytic reformer
68476-49-3	Hydrocarbons, C2-4, C3-rich
68476-50-6	Hydrocarbons, C>5, C5-6-rich
68476-52-8	Hydrocarbons, C4, ethylene-manuf.-by-product
68476-53-9	Hydrocarbons, C>20, petroleum wastes
68476-54-0	Hydrocarbons, C3-5, polymn. unit feed
68476-55-1	Hydrocarbons, C5-rich
68476-56-2	Hydrocarbons, cyclic C5 and C6
68476-77-7	Lubricating oils, refined used
68476-81-3	Paraffin waxes and Hydrocarbon waxes, oxidized, calcium salts
68476-84-6	Petroleum products, gases, inorg.
68476-85-7	Petroleum gases, liquefied
68476-86-8	Petroleum gases, liquefied, sweetened
68477-25-8	Waste gases, vent gas, C1-6
68477-26-9	Wastes, petroleum
68477-29-2	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling
68477-30-5	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling
68477-31-6	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling
68477-33-8	Gases (petroleum), C3-4, isobutane-rich
68477-34-9	Distillates (petroleum), C3-5, 2-methyl-2-butene-rich
68477-35-0	Distillates (petroleum), C3-6, piperylene-rich
68477-36-1	Distillates (petroleum), cracked steam-cracked, C5-18 fraction
68477-38-3	Distillates (petroleum), cracked steam-cracked petroleum distillates
68477-39-4	Distillates (petroleum), cracked stripped steam-cracked petroleum distillates, C8-10 fraction
68477-40-7	Distillates (petroleum), cracked stripped steam-cracked petroleum distillates, C10-12 fraction
68477-41-8	Gases (petroleum), extractive, C3-5, butadiene-butene-rich
68477-42-9	Gases (petroleum), extractive, C3-5, butene-isobutylene-rich
68477-44-1	Distillates (petroleum), heavy naphthenic, mixed with steam-cracked petroleum distillates C5-12 fraction
68477-47-4	Distillates (petroleum), mixed heavy olefin vacuum, heart-cut
68477-48-5	Distillates (petroleum), mixed heavy olefin vacuum, low-boiling
68477-53-2	Distillates (petroleum), steam-cracked, C5-12 fraction
68477-54-3	Distillates (petroleum), steam-cracked, C8-12 fraction
68477-55-4	Distillates (petroleum), steam-cracked, C5-10 fraction, mixed with light steam-cracked petroleum naphtha C5 fraction
68477-58-7	Distillates (petroleum), steam-cracked petroleum distillates, C5-18 fraction
68477-59-8	Distillates (petroleum), steam-cracked petroleum distillates cyclopentadiene conc.
68477-60-1	Extracts (petroleum), cold-acid
68477-61-2	Extracts (petroleum), cold-acid, C4-6
68477-62-3	Extracts (petroleum), cold-acid, C3-5, butene-rich
68477-63-4	Extracts (petroleum), reformer recycle
68477-64-5	Gases (petroleum), acetylene manuf. off
68477-65-6	Gases (petroleum), amine system feed

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CAS No.	Product
68477-66-7	Gases (petroleum), benzene unit hydrodesulfurizer off
68477-67-8	Gases (petroleum), benzene unit recycle, hydrogen-rich
68477-68-9	Gases (petroleum), blend oil, hydrogen-nitrogen-rich
68477-69-0	Gases (petroleum), butane splitter overheads
68477-70-3	Gases (petroleum), C2-3
68477-71-4	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free
68477-72-5	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich
68477-73-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free
68477-74-7	Gases (petroleum), catalytic cracker
68477-75-8	Gases (petroleum), catalytic cracker, C1-5-rich
68477-76-9	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich
68477-77-0	Gases (petroleum), catalytic reformed naphtha stripper overheads
68477-79-2	Gases (petroleum), catalytic reformer, C1-4-rich
68477-80-5	Gases (petroleum), C6-8 catalytic reformer recycle
68477-81-6	Gases (petroleum), C6-8 catalytic reformer
68477-82-7	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich
68477-83-8	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed
68477-84-9	Gases (petroleum), C2-return stream
68477-85-0	Gases (petroleum), C4-rich
68477-86-1	Gases (petroleum), deethanizer overheads
68477-87-2	Gases (petroleum), deisobutanizer tower overheads
68477-88-3	Gases (petroleum), deethanizer overheads, C3-rich
68477-89-4	Distillates (petroleum), depentanizer overheads
68477-90-7	Gases (petroleum), depropanizer dry, propene-rich
68477-91-8	Gases (petroleum), depropanizer overheads
68477-92-9	Gases (petroleum), dry sour, gas-concn.-unit-off
68477-93-0	Gases (petroleum), gas concn. reabsorber distn.
68477-94-1	Gases (petroleum), gas recovery plant depropanizer overheads
68477-95-2	Gases (petroleum), Girbatol unit feed
68477-96-3	Gases (petroleum), hydrogen absorber off
68477-97-4	Gases (petroleum), hydrogen-rich
68477-98-5	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen rich
68477-99-6	Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free
68478-00-2	Gases (petroleum), recycle, hydrogen-rich
68478-01-3	Gases (petroleum), reformer make-up, hydrogen-rich
68478-02-4	Gases (petroleum), reforming hydrotreater
68478-03-5	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich
68478-04-6	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich

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CAS No.	Product
68478-05-7	Gases (petroleum), thermal cracking distn.
68478-08-0	Naphtha (petroleum), light steam-cracked, C5-fraction, oligomer conc.
68478-10-4	Naphtha (petroleum), light steam-cracked, debenzenized, C8-16-cycloalkadiene conc.
68478-12-6	Residues (petroleum), butane splitter bottoms
68478-13-7	Residues (petroleum), catalytic reformer fractionator residue distn.
68478-15-9	Residues (petroleum), C6-8 catalytic reformer
68478-16-0	Residual oils (petroleum), deisobutanizer tower
68478-17-1	Residues (petroleum), heavy coker gas oil and vacuum gas oil
68478-18-2	Residues (petroleum), heavy olefin vacuum
68478-19-3	Residual oils (petroleum), propene purifn. splitter
68478-20-6	Residues (petroleum), steam-cracked petroleum distillates cyclopentadiene conc., C4-cyclopentadiene-free
68478-22-8	Tail gas (petroleum), catalytic cracked naphtha stabilization absorber
68478-24-0	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionator
68478-25-1	Tail gas (petroleum), catalytic cracker re-fractionation absorber
68478-26-2	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer
68478-27-3	Tail gas (petroleum), catalytic reformed naphtha separator
68478-28-4	Tail gas (petroleum), catalytic reformed naphtha stabilizer
68478-29-5	Tail gas (petroleum), cracked distillate hydrotreater separator
68478-30-8	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator
68478-31-9	Tail gas (petroleum), isomerized naphtha fractionates, hydrogen sulfide-free
68478-32-0	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich
68478-33-1	Tail gas (petroleum), saturate gas recovery plant, C1-2-rich
68478-34-2	Tail gas (petroleum), vacuum residues thermal cracker
68512-61-8	Residues (petroleum), heavy coker and light vacuum
68512-62-9	Residues (petroleum), light vacuum
68512-78-7	Solvent naphtha (petroleum), light arom., hydrotreated
68512-91-4	Hydrocarbons, C3-4-rich, petroleum distillates
68513-02-0	Naphtha (petroleum), full-range coker
68513-03-1	Naphtha (petroleum), light catalytic reformed, arom.-free
68513-11-1	Fuel gases, hydrotreater fractionation, scrubbed
68513-12-2	Fuel gases, saturate gas unit fractionator-absorber overheads
68513-13-3	Fuel gases, thermal cracked catalytic cracking residue
68513-14-4	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads
68513-15-5	Gases (petroleum), full-range straight-run naphtha dehexanizer off

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CAS No.	Product
68513-16-6	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich
68513-17-7	Gases (petroleum), light straight-run naphtha stabilizer off
68513-18-8	Gases (petroleum), reformer effluent high-pressure flash drum off
68513-19-9	Gases (petroleum), reformer effluent low-pressure flash drum off
68513-62-2	Disulfides, C5-12-alkyl
68513-63-3	Distillates (petroleum), catalytic reformed straight-run naphtha overheads
68513-65-5	Butane, branched and linear
68513-66-6	Residues (petroleum), alkylation splitter, C4-rich
68513-67-7	Residues (petroleum), cyclooctadiene bottoms
68513-68-8	Residues (petroleum), deethanizer tower
68513-69-9	Residues (petroleum), steam-cracked light
68513-74-6	Waste gases, ethylene oxide absorber-reactor
68514-15-8	Gasoline, vapor-recovery
68514-29-4	Hydrocarbons, amylene feed debutanizer overheads nonextractable raffinates
68514-31-8	Hydrocarbons, C1-4
68514-32-9	Hydrocarbons, C10 and C12, olefin-rich
68514-33-0	Hydrocarbons, C12 and C14, olefin-rich
68514-34-1	Hydrocarbons, C9-14, ethylene-manuf.-by-product
68514-35-2	Hydrocarbons, C14-30, olefin-rich
68514-36-3	Hydrocarbons, C1-4, sweetened
68514-37-4	Hydrocarbons, C4-5-unsatd.
68514-38-5	Hydrocarbons, C4-10-unsatd.
68514-39-6	Naphtha (petroleum), light steam-cracked, isoprene-rich
68514-79-4	Petroleum products, hydrofiner-powerformer reformates
68515-25-3	Benzene, C1-9-alkyl derivs.
68515-26-4	Benzene, di-C12-14-alkyl derivs.
68515-27-5	Benzene, di-C10-14-alkyl derivs., fractionation overheads, heavy ends
68515-28-6	Benzene, di-C10-14-alkyl derivs., fractionation overheads, light ends
68515-29-7	Benzene, di-C10-14-alkyl derivs., fractionation overheads, middle cut
68515-30-0	Benzene, mono-C20-48-alkyl derivs.
68515-32-2	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms
68515-33-3	Benzene, mono-C10-12-alkyl derivs., fractionation bottoms, heavy ends
68515-34-4	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms, heavy ends
68515-35-5	Benzene, mono-C10-12-alkyl derivs., fractionation bottoms, light ends
68515-36-6	Benzene, mono-C12-14-alkyl derivs., fractionation bottoms, light ends
68516-20-1	Naphtha (petroleum), steam-cracked middle arom.
68526-52-3	Alkenes, C6
68526-53-4	Alkenes, C6-8, C7-rich
68526-54-5	Alkenes, C7-9, C8-rich
68526-55-6	Alkenes, C8-10, C9-rich
68526-56-7	Alkenes, C9-11, C10-rich
68526-57-8	Alkenes, C10-12, C11-rich
68526-58-9	Alkenes, C11-13, C12-rich
68526-77-2	Aromatic hydrocarbons, ethane cracking scrubber effluent and flare drum
68526-99-8	Alkenes, C6-9 .alpha.-
68527-00-4	Alkenes, C8-9 .alpha.-

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CAS No.	Product
68527-11-7	Alkenes, C5
68527-13-9	Gases (petroleum), acid, ethanolamine scrubber
68527-14-0	Gases (petroleum), methane-rich off
68527-15-1	Gases (petroleum), oil refinery gas distn. off
68527-16-2	Hydrocarbons, C1-3
68527-18-4	Gas oils (petroleum), steam-cracked
68527-19-5	Hydrocarbons, C1-4, debutanizer fraction
68527-21-9	Naphtha (petroleum), clay-treated full-range straight-run
68527-22-0	Naphtha (petroleum), clay-treated light straight-run
68527-23-1	Naphtha (petroleum), light steam-cracked arom.
68527-26-4	Naphtha (petroleum), light steam-cracked, debenzenized
68527-27-5	Naphtha (petroleum), full-range alkylate, butane-contg.
68553-00-4	Fuel oil, no. 6
68553-14-0	Hydrocarbons, C8-11
68602-79-9	Distillates (petroleum), benzene unit hydrotreater dipentanizer overheads
68602-81-3	Distillates, hydrocarbon resin prodn. higher boiling
68602-82-4	Gases (petroleum), benzene unit hydrotreater depentanizer overheads
68602-83-5	Gases (petroleum), C1-5, wet
68602-84-6	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionater
68602-96-0	Distillates (petroleum), oxidized light, strong acid components, compds. with diethanolamine
68602-97-1	Distillates (petroleum), oxidized light, strong acid components, sodium salts
68602-98-2	Distillates (petroleum), oxidized light, strong acid components
68602-99-3	Distillates (petroleum), oxidized light, strong acid-free
68603-00-9	Distillates (petroleum), thermal cracked naphtha and gas oil
68603-01-0	Distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.
68603-02-1	Distillates (petroleum), thermal cracked naphtha and gas oil, dimerized
68603-03-2	Distillates (petroleum), thermal cracked naphtha and gas oil, extractive
68603-08-7	Naphtha (petroleum), arom.-contg.
68603-09-8	Hydrocarbon waxes (petroleum), oxidized, calcium salts
68603-10-1	Hydrocarbon waxes (petroleum), oxidized, Me esters, barium salts
68603-11-2	Hydrocarbon waxes (petroleum), oxidized, Me esters, calcium salts
68603-12-3	Hydrocarbon waxes (petroleum), oxidized, Me esters, sodium salts
68603-13-4	Petrolatum (petroleum), oxidized, ester with sorbitol
68603-14-5	Residual oils (petroleum), oxidized, calcium salts
68603-31-6	Alkenes, C10, tert-amylene concentrator by-product
68603-32-7	Alkenes, C15-20 .alpha.-, isomerized
68606-09-7	Fuel gases, expander off
68606-10-0	Gasoline, pyrolysis, debutanizer bottoms
68606-11-1	Gasoline, straight-run, topping-plant

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CAS No.	Product
68606-24-6	Hydrocarbons, C4, butene concentrator by-product
68606-25-7	Hydrocarbons, C2-4
68606-26-8	Hydrocarbons, C3
68606-27-9	Gases (petroleum), alkylation feed
68606-28-0	Hydrocarbons, C5 and C10-aliph. and C6-8-arom.
68606-31-5	Hydrocarbons, C3-5, butadiene purifn. by-product
68606-34-8	Gases (petroleum), depropanizer bottoms fractionation off
68606-36-0	Hydrocarbons, C5-unsatd. rich, isoprene purifn. by-product
68607-11-4	Petroleum products, refinery gases
68607-30-7	Residues (petroleum), topping plant, low-sulfur
68608-56-0	Waste gases, from carbon black manuf.
68647-60-9	Hydrocarbons, C>4
68647-61-0	Hydrocarbons, C4-5, tert-amylene concentrator by-product
68647-62-1	Hydrocarbons, C4-5, butene concentrator by-product, sour
68650-36-2	Aromatic hydrocarbons, C8, o-xylene-lean
68650-37-3	Paraffin waxes (petroleum), oxidized, sodium salts
68782-97-8	Distillates (petroleum), hydrofined lubricating-oil
68782-98-9	Extracts (petroleum), clarified oil solvent, condensed-ring-arom.-contg.
68782-99-0	Extracts (petroleum), heavy clarified oil solvent, condensed-ring-arom.-contg.
68783-00-6	Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.
68783-01-7	Extracts (petroleum), heavy naphthenic distillate solvent, paraffinic conc.
68783-02-8	Extracts (petroleum), intermediate clarified oil solvent, condensed-ring-arom.-contg.
68783-04-0	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent
68783-05-1	Gases (petroleum), ammonia-hydrogen sulfide, water-satd.
68783-06-2	Gases (petroleum), hydrocracking low-pressure separator
68783-07-3	Gases (petroleum), refinery blend
68783-08-4	Gas oils (petroleum), heavy atmospheric
68783-09-5	Naphtha (petroleum), catalytic cracked light distd.
68783-12-0	Naphtha (petroleum), unsweetened
68783-13-1	Residues (petroleum), coker scrubber, condensed-ring-arom.-contg.
68783-15-3	Alkenes, C6-7 .alpha.-
68783-61-9	Fuel gases, refinery, sweetened
68783-62-0	Fuel gases, refinery, unsweetened
68783-64-2	Gases (petroleum), catalytic cracking
68783-65-3	Gases (petroleum), C2-4, sweetened
68783-66-4	Naphtha (petroleum), light, sweetened
68814-47-1	Waste gases, refinery vent
68814-67-5	Gases (petroleum), refinery
68814-87-9	Distillates (petroleum), full-range straight-run middle
68814-89-1	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted
68814-90-4	Gases (petroleum), platformer products separator off
68814-91-5	Alkenes, C5-9 .alpha.-
68855-57-2	Alkenes, C6-12 .alpha.-
68855-58-3	Alkenes, C10-16 .alpha.-
68855-59-4	Alkenes, C14-18 .alpha.-

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CAS No.	Product
68855-60-7	Alkenes, C14-20 .alpha.-
68911-58-0	Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off
68911-59-1	Gases (petroleum), hydrotreated sour kerosine flash drum
68915-96-8	Distillates (petroleum), heavy straight-run
68915-97-9	Gas oils (petroleum), straight-run, high-boiling
68918-69-4	Petrolatum (petroleum), oxidized, zinc salt
68918-73-0	Residues (petroleum), clay-treating filter wash
68918-93-4	Paraffin waxes and Hydrocarbon waxes, oxidized, alkali metal salts
68918-98-9	Fuel gases, refinery, hydrogen sulfide-free
68918-99-0	Gases (petroleum), crude oil fractionation off
68919-00-6	Gases (petroleum), dehexanizer off
68919-01-7	Gases (petroleum), distillate unfiner desulfurization stripper off
68919-02-8	Gases (petroleum), fluidized catalytic cracker fractionation off
68919-03-9	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off
68919-04-0	Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off
68919-05-1	Gases (petroleum), light straight run gasoline fractionation stabilizer off
68919-06-2	Gases (petroleum), naphtha unfiner desulfurization stripper off
68919-07-3	Gases (petroleum), platformer stabilizer off, light ends fractionation
68919-08-4	Gases (petroleum), preflash tower off, crude distr.
68919-09-5	Gases (petroleum), straight-run naphtha catalytic reforming off
68919-10-8	Gases (petroleum), straight-run stabilizer off
68919-11-9	Gases (petroleum), tar stripper off
68919-12-0	Gases (petroleum), unfiner stripper off
68919-15-3	Hydrocarbons, C6-12, benzene-recovery
68919-16-4	Hydrocarbons, catalytic alkylation, by-products, C3-6
68919-17-5	Hydrocarbons, C12-20, catalytic alkylation by-products
68919-19-7	Gases (petroleum), fluidized catalytic cracker splitter residues
68919-20-0	Gases (petroleum), fluidized catalytic cracker splitter overheads
68919-37-9	Naphtha (petroleum), full-range reformed
68920-06-9	Hydrocarbons, C7-9
68920-07-0	Hydrocarbons, C<10-linear
68920-64-9	Disulfides, di-C1-2-alkyl
68921-07-3	Distillates (petroleum), hydrotreated light catalytic cracked
68921-08-4	Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads
68921-09-5	Distillates (petroleum), naphtha unfiner stripper
68921-67-5	Hydrocarbons, ethylene-manuf.-by-product distr. residues
68952-76-1	Gases (petroleum), catalytic cracked naphtha debutanizer
68952-77-2	Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer

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CAS No.	Product
68952-78-3	Tail gas (petroleum), catalytic hydrodesulfurized distillate fractionation stabilizer, hydrogen sulfide-free
68952-79-4	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator
68952-80-7	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer
68952-81-8	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber
68952-82-9	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking
68953-80-0	Benzene, mixed with toluene, dealkylation product
68955-27-1	Distillates (petroleum), petroleum residues vacuum
68955-28-2	Gases (petroleum), light steam-cracked, butadiene conc.
68955-31-7	Gases (petroleum), butadiene process, inorg.
68955-32-8	Natural gas, substitute, steam-reformed desulfurized naphtha
68955-33-9	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation
68955-34-0	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead
68955-35-1	Naphtha (petroleum), catalytic reformed
68955-36-2	Residues (petroleum), steam-cracked, resinous
68955-76-0	Aromatic hydrocarbons, C9-16, biphenyl deriv.-rich
68955-96-4	Disulfides, dialkyl and di-Ph, naphtha sweetening
68956-47-8	Fuel oil, isoprene reject absorption
68956-48-9	Fuel oil, residual, wastewater skimmings
68956-52-5	Hydrocarbons, C4-8
68956-54-7	Hydrocarbons, C4-unsatd.
68956-55-8	Hydrocarbons, C5-unsatd.
68956-70-7	Petroleum products, C5-12, reclaimed, wastewater treatment
68988-79-4	Benzene, C10-12-alkyl derivs., distn. residues
68988-99-8	Phenols, sodium salts, mixed with sulfur compounds, gasoline alk. scrubber residues
68989-88-8	Gases (petroleum), crude distn. and catalytic cracking
68990-35-2	Distillates (petroleum), arom., hydrotreated, dicyclopentadiene-rich
68991-49-1	Alkanes, C10-13, arom.-free desulfurized
68991-50-4	Alkanes, C14-17, arom.-free desulfurized
68991-51-5	Alkanes, C10-13, desulfurized
68991-52-6	Alkenes, C10-16
69013-21-4	Fuel oil, pyrolysis
69029-75-0	Oils, reclaimed
69430-33-7	Hydrocarbons, C6-30
70024-88-3	Ethene, thermal cracking products
70528-71-1	Distillates (petroleum), heavy distillate solvent ext. heart-cut
70528-72-2	Distillates (petroleum), heavy distillate solvent ext. vacuum overheads
70528-73-3	Residues (petroleum), heavy distillate solvent ext. vacuum
70592-76-6	Distillates (petroleum), intermediate vacuum
70592-77-7	Distillates (petroleum), light vacuum
70592-78-8	Distillates (petroleum), vacuum

CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED "PETROLEUM PROCESS STREAMS" FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
70592-79-9	Residues (petroleum), atm. tower, light
70693-00-4	Hydrocarbon waxes (petroleum), oxidized, sodium salts
70693-06-0	Aromatic hydrocarbons, C9-11
70913-85-8	Residues (petroleum), solvent-extd. vacuum distilled atm. residuum
70913-86-9	Alkanes, C18-70
70955-08-7	Alkanes, C4-6
70955-09-8	Alkenes, C13-14 .alpha.-
70955-10-1	Alkenes, C15-18 .alpha.-
70955-17-8	Aromatic hydrocarbons, C12-20
71243-66-8	Hydrocarbon waxes (petroleum), clay-treated, microcryst., oxidized, potassium salts
71302-82-4	Hydrocarbons, C5-8, Houdry butadiene manuf. by-product
71329-37-8	Residues (petroleum), catalytic cracking depropanizer, C4-rich
71808-30-5	Tail gas (petroleum), thermal cracking absorber
72230-71-8	Distillates (petroleum), cracked steam-cracked, C5-17 fraction
72623-83-7	Lubricating oils (petroleum), C>25, hydrotreated bright stock-based
72623-84-8	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, contg. solvent deasphalted residual oil
72623-85-9	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity
72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based
72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
73138-65-5	Hydrocarbon waxes (petroleum), oxidized, magnesium salts
92045-43-7	Lubricating oils (petroleum), hydrocracked nonarom. solvent deparaffined
92045-58-4	Naphtha (petroleum), isomerization, C6-fraction
92062-09-4	Slack wax (petroleum), hydrotreated
93762-80-2	Alkenes, C15-18
98859-55-3	Distillates (petroleum), oxidized heavy, compds. with diethanolamine
98859-56-4	Distillates (petroleum), oxidized heavy, sodium salts
101316-73-8	Lubricating oils (petroleum), used, non-catalytically refined
164907-78-2	Extracts (petroleum), asphaltene-low vacuum residue solvent
164907-79-3	Residues (petroleum), vacuum, asphaltene-low
178603-63-9	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C10-25
178603-64-0	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C15-30, branched and cyclic
178603-65-1	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C20-40, branched and cyclic
178603-66-2	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C25-55, branched and cyclic
212210-93-0	Solvent naphtha (petroleum), heavy arom., distn. residues
221120-39-4	Distillates (petroleum), cracked steam-cracked, C5-12 fraction

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES TERMED “PETROLEUM PROCESS STREAMS” FOR PURPOSES OF INVENTORY UPDATE REPORTING—Continued

CAS No.	Product
445411–73–4	Gas oils (petroleum), vacuum, hydrocracked, hydroisomerized, hydrogenated, C10-25, branched and cyclic

(2) *Specific exempted chemical substances*—(i) *Exemption*. EPA has determined that, at this time, the information in § 710.52(c)(4) associated with the chemicals listed in paragraph (b)(2)(iv) of this section is of low current interest.

(ii) *Considerations*. In making its determination of whether this partial exemption should apply to a particular chemical substance, EPA will consider the totality of information available for the chemical substance in question, including but not limited to, one or more of the following considerations:

(A) Whether the chemical qualifies or has qualified in past IUR collections for the reporting of the information described in § 710.52(c)(4) (i.e., at least one site manufactures 300,000 pounds or more of the chemical).

(B) The chemical substance’s chemical and physical properties or potential for persistence, bioaccumulation, health effects, or environmental effects (considered independently or together).

(C) The information needs of EPA, other federal agencies, tribes, states, and local governments, as well as members of the public.

(D) The availability of other complementary risk screening information.

(E) The availability of comparable processing and use information.

(F) Whether the potential risks of the chemical substance are adequately managed.

(iii) *Amendments*. EPA may amend the chemical list in paragraph (b)(2)(iv) of this section on its own initiative or in response to a request from the public based on EPA’s determination of whether the information in § 710.52(c)(4) is of low interest.

(A) Any person may request that EPA amend the chemical list in paragraph (b)(2)(iv) of this section. Your request must be in writing and must be submitted to the address provided in § 710.59(d). Requests must identify the

chemical in question, as well as its CAS number or other chemical identification number as identified in § 710.52(c)(3)(i), and must contain a written rationale for the request that provides sufficient specific information, addressing the considerations listed in § 710.46(b)(2)(ii), including cites and relevant documents, to demonstrate to EPA that the collection of the information in § 710.52(c)(4) for the chemical in question either is or is not of low current interest. If a request related to a particular chemical is resubmitted, any subsequent request must clearly identify new information contained in the request. EPA may request other information that it believes necessary to evaluate the request. EPA will issue a written response to each request within 120 days of receipt of the request, and will maintain copies of these responses in a public docket that will be established for each reporting cycle.

(B) As needed, the Agency will initiate rulemaking to make revisions to the list in paragraph (b)(2)(iv) of this section.

(C) To assist EPA in reaching a decision regarding a particular request prior to a given reporting year, requests must be submitted to EPA no later than 12 months prior to the start of the reporting year, i.e., by January 1, 2004, or by each January 1 at 5-year intervals thereafter.

(iv) *List of chemical substances*. EPA has designated the following chemical substances, listed by CAS Number, as partially exempt from reporting under the IUR.

CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES UNDER § 710.46(b)(2)

CAS No.	Chemical
50–70–4	D-Glucitol
50–81–7	L-Ascorbic acid
50–99–7	D-Glucose
56–81–5	1,2,3-Propanetriol
56–87–1	L-Lysine
57–50–1	.alpha.-D-Glucopyranoside, .beta.-D-fructofuranosyl
58–95–7	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-, acetate, (2R)-
59–02–9	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-[(4R,8R)-4,8,12-trimethyltridecyl]-, (2R)-
59–51–8	Methionine
69–65–8	D-Mannitol
87–79–6	L-Sorbose

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES UNDER § 710.46(b)(2)—Continued

CAS No.	Chemical
87-99-0	Xylitol
96-10-6	Aluminum, chlorodiethyl-
97-93-8	Aluminum, triethyl-
100-99-2	Aluminum, tris(2-methylpropyl)-
123-94-4	Octadecanoic acid, 2,3-dihydroxypropyl ester
124-38-9	Carbon dioxide
137-08-6	.beta.-Alanine, N-[(2R)-2,4-dihydroxy-3,3-dimethyl-1-oxobutyl]-, calcium salt (2:1)
142-47-2	L-Glutamic acid, monosodium salt
150-30-1	Phenylalanine
563-43-9	Aluminum, dichloroethyl-
1070-00-4	Aluminum, trioctyl-
1116-70-7	Aluminum, tributyl-
1116-73-0	Aluminum, trihexyl-
1191-15-7	Aluminum, hydrobis(2-methylpropyl)-
1317-65-3	Limestone
1333-74-0	Hydrogen
1592-23-0	Octadecanoic acid, calcium salt
7440-37-1	Argon
7440-44-0	Carbon
7727-37-9	Nitrogen
7782-42-5	Graphite
7782-44-7	Oxygen
8001-21-6	Sunflower oil
8001-22-7	Soybean oil
8001-23-8	Safflower oil
8001-26-1	Linseed oil
8001-29-4	Cottonseed oil
8001-30-7	Corn oil
8001-31-8	Coconut oil
8001-78-3	Castor oil, hydrogenated
8001-79-4	Castor oil
8002-03-7	Peanut oil
8002-13-9	Rape oil
8002-43-5	Lecithins
8002-75-3	Palm oil
8006-54-0	Lanolin
8016-28-2	Lard, oil
8016-70-4	Soybean oil, hydrogenated
8021-99-6	Charcoal, bone
8029-43-4	Syrups, hydrolyzed starch
9004-53-9	Dextrin
9005-25-8	Starch
9050-36-6	Maltodextrin
11103-57-4	Vitamin A
12075-68-2	Aluminum, di-.mu.-chlorochlorotriethyl-di-
12542-85-7	Aluminum, trichlorotrimethyl-di-
16291-96-6	Charcoal
26836-47-5	D-Glucitol, monooctadecanoate
61789-44-4	Fatty acids, castor-oil
61789-97-7	Tallow
61789-99-9	Lard
64147-40-6	Castor oil, dehydrated
64755-01-7	Fatty acids, tallow, calcium salts
65996-63-6	Starch, acid-hydrolyzed
65996-64-7	Starch, enzyme-hydrolyzed
67701-01-3	Fatty acids, C12-18
68002-85-7	Fatty acids, C14-22 and C16-22-unsatd.
68131-37-3	Syrups, hydrolyzed starch, dehydrated
68188-81-8	Grease, poultry
68308-36-1	Soybean meal
68308-54-3	Glycerides, tallow mono-, di- and tri-, hydrogenated
68334-00-9	Cottonseed oil, hydrogenated
68334-28-1	Fats and glyceridic oils, vegetable, hydrogenated
68409-76-7	Bone meal, steamed
68424-45-3	Fatty acids, linseed-oil

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CAS NUMBERS OF PARTIALLY EXEMPT CHEMICAL SUBSTANCES UNDER § 710.46(b)(2)—Continued

CAS No.	Chemical
68424-61-3	Glycerides, C16-18 and C18-unsatd. mono- and di-
68425-17-2	Syrups, hydrolyzed starch, hydrogenated
68439-86-1	Bone, ash
68442-69-3	Benzene, mono-C10-14-alkyl derivs.
68476-78-8	Molasses
68514-27-2	Grease, catch basin
68514-74-9	Palm oil, hydrogenated
68525-87-1	Corn oil, hydrogenated
68648-87-3	Benzene, C10-16-alkyl derivs.
68918-42-3	Soaps, stocks, soya
68952-94-3	Soaps, stocks, vegetable-oil
68956-68-3	Fats and glyceridic oils, vegetable
68989-98-0	Fats and glyceridic oils, vegetable, residues
73138-67-7	Lard, hydrogenated
120962-03-0	Canola oil
129813-58-7	Benzene, mono-C10-13-alkyl derivs.
129813-59-8	Benzene, mono-C12-14-alkyl derivs.
129813-60-1	Benzene, mono-C14-16-alkyl derivs.

(3) *Inorganic chemical substances.* For purposes of this subpart, an inorganic chemical substance is any chemical substance which does not contain carbon or contains carbon only in the form of carbonate [=CO₃], cyano [--CN], cyanato [--OCN], isocyanato [--NC], or isocyanato [--NCO] groups or the chalcogen analogues of such groups. During the 2006 submission period, manufacturers are excluded only from the reporting requirements under § 710.52(c)(4) for inorganic chemical substances. During the 2006 submission period, manufacturers of inorganic chemical substances are not excluded from the other reporting requirements under this part. During submission periods following the 2006 submission period, manufacturers of inorganic chemical substances are subject to all of the reporting requirements in this subpart.

[68 FR 890, Jan. 7, 2003, as amended at 69 FR 40791, July 7, 2004; 70 FR 60221, Oct. 17, 2005; 70 FR 74700, Dec. 16, 2005; 70 FR 75068, Dec. 19, 2005; 71 FR 8470, Feb. 17, 2006]

§ 710.48 Persons who must report.

Except as provided in §§ 710.49 and 710.50, the following persons are subject to the requirements of this subpart. Persons must determine whether they must report under this section for each chemical substance that they manufacture (including import) at an individual site.

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(a) *Persons subject to recurring reporting.* Any person who manufactured (including imported) for commercial purposes 25,000 lbs. (11,340 kg) or more of a chemical substance described in § 710.45 at any single site owned or controlled by that person at any time during calendar year 2005 or during the calendar year at 5-year intervals thereafter is subject to reporting.

(b) *Special provisions for importers.* For purposes of this section, the site for a person who imports a chemical substance described in § 710.45 is the site of the operating unit within the person's organization which is directly responsible for importing the substance and which controls the import transaction. The import site may in some cases be the organization's headquarters in the United States (see also § 710.55(b)).

[68 FR 890, Jan. 7, 2003, as amended at 70 FR 75069, Dec. 19, 2005]

§ 710.49 Persons not subject to this subpart.

A person described in § 710.48 is not subject to the requirements of this subpart if that person qualifies as a small manufacturer as that term is defined in § 704.3 of this chapter. Notwithstanding this exclusion, a person who qualifies as a small manufacturer is subject to this subpart with respect to any chemical substance that is the subject of a rule proposed or promulgated under section 4, 5(b)(4), or 6 of the Act, or is the subject of an order in effect under section 5(e) of the Act, or is the subject of relief that has been granted under a civil action under section 5 or 7 of the Act.

§ 710.50 Activities for which reporting is not required.

A person described in § 710.48 is not subject to the requirements of this subpart with respect to any chemical substance described in § 710.45 that the person solely manufactured or imported under the following circumstances:

(a) The person manufactured or imported the chemical substance described in § 710.45 solely in small quantities for research and development.

(b) The person imported the chemical substance described in § 710.45 as part of an article.

(c) The person manufactured the chemical substance described in § 710.45 in a manner described in § 720.30(g) or (h) of this chapter.

§ 710.52 Reporting information to EPA.

Any person who must report under this subpart, as described in § 710.48, must submit the information described in this section for each chemical substance described in § 710.45 that the person manufactured (including imported) for commercial purposes in an amount of 25,000 lbs. (11,340 kg) or more at any one site during calendar year 2005 or during the calendar year at 5-year intervals thereafter. (See § 710.48(b) for the "site" for importers). A separate form must be submitted for each chemical substance at each site for which the submitter is required to report. A submitter of information under this subpart must report information as described in paragraphs (c)(1), (c)(2), and (c)(3) of this section to the extent that such information is *known to or reasonably ascertainable by* that person whereas a submitter must report information as described in paragraph (c)(4) of this section only to the extent that such information is *readily obtainable* by that person. A submitter under this subpart must report information that applies to the calendar year for which the person is required to report (i.e., calendar year 2005 and the calendar year at 5-year intervals thereafter).

(a) *Reporting in writing.* Any person who chooses to report information to EPA in writing must do so by completing the reporting form available from EPA at the address set forth in § 710.59. The form must include all information described in paragraph (c) of this section. Persons reporting in writing must submit a separate form for each site for which the person is required to report.

(b) *Reporting by magnetic media.* Any person who chooses to report information to EPA by means of magnetic media must submit the information described in paragraph (c) of this section. Magnetic media submitted in response to this subpart must meet EPA specifications, as described in the instruction booklet available from EPA at the address set forth in § 710.59.

(c) *Information to be reported.* Manufacturers (including importers) of a reportable chemical substance in an amount of 25,000 lbs. (11,340 kg) or more at a site during a reporting year must report the information described in paragraphs (c)(1), (c)(2), and (c)(3) of this section. Manufacturers (including importers) of a reportable chemical substance in an amount of 300,000 lbs. (136,077 kg) or more at a site during a reporting year must report the information described in paragraph (c)(4) of this section in addition to the information described in paragraphs (c)(1), (c)(2), and (c)(3) of this section. As described in § 710.46(b)(3), manufacturers of certain inorganic chemical substances are not required to report the information described in paragraph (c)(4) of this section during the 2006 submission period, but are required to report this information during subsequent submission periods. As described in § 710.46(b)(1) and (b)(2), manufacturers of certain chemicals are not required to report the information described in paragraph (c)(4) of this section.

(1) *A certification statement signed and dated by an authorized official of the submitter company.* Persons reporting by means of magnetic media must submit this information on the reporting form available as described in § 710.59.

(2) *Company and plant site information.* The following company and plant site information must be reported for each site at which at least 25,000 lbs. (11,340 kg) of a reportable chemical substance is manufactured (including imported) during calendar year 2005 or during the calendar year at 5-year intervals thereafter (see § 710.48(b) for the “site” for importers):

(i) The name of a person who will serve as technical contact for the submitter company, and who will be able to answer questions about the information submitted by the company to EPA, the company name and Dun and Bradstreet Number, the contact person’s full mailing address, the contact person’s telephone number and the contact person’s e-mail address.

(ii) The name and full street address of each site. A submitter under this subpart must include the appropriate Dun and Bradstreet Number for each

plant site reported, and the county or parish (or other jurisdictional indicator) in which the plant site is located.

(3) *Specific information for chemicals manufactured in amounts of 25,000 lbs. or more.* The following chemical-specific information must be reported for each reportable chemical substance manufactured at (including imported into) each site in amounts of 25,000 lbs. (11,340 kg) or more during calendar year 2005 or during the calendar year at 5-year intervals thereafter:

(i) The specific chemical name and CAS Number of each reportable chemical substance at each site. A submitter under this subpart may use an EPA-designated Accession Number for confidential substances, or a premanufacture notice (PMN) case number (see § 720.65 of this chapter) in lieu of a CAS Number when a CAS Number is not known to or reasonably ascertainable by the submitter. In addition to reporting the number itself, submitters must specify the type of number they are reporting by selecting from among the following codes:

CODES TO SPECIFY TYPE OF CHEMICAL IDENTIFYING NUMBER

Codes	Number Type
A	Accession Number
C	CAS Registry Number
P	PMN Number

(ii) A statement indicating, for each reportable chemical substance at each site, whether the substance is manufactured in the United States, imported into the United States, or both manufactured in the United States and imported into the United States.

(iii) A designation indicating, for each reportable chemical substance at each site, whether the substance is site-limited.

(iv) The total volume (in pounds) of each reportable chemical substance manufactured and imported at each site. The total manufactured volume (not including imported volume) and the total imported volume must be separately reported. This amount must be reported to two significant figures of accuracy provided that the reported figures are within $\pm 10\%$ of the actual volume.

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(v) The total number of workers reasonably likely to be exposed to each reportable chemical substance at each site. For each reportable substance at each site, the submitter must select from among the ranges of workers listed in the following table and report the corresponding code (i.e., W1 through W8):

CODES FOR REPORTING NUMBER OF WORKERS
REASONABLY LIKELY TO BE EXPOSED

Codes	Range
W1	Less than 10 workers
W2	At least 10 but less than 25 workers
W3	At least 25 but less than 50 workers
W4	At least 50 but less than 100 workers
W5	At least 100 but less than 500 workers
W6	At least 500 but less than 1,000 workers
W7	At least 1,000 but less than 10,000 workers
W8	At least 10,000 workers

(vi) The maximum concentration, measured by percentage of weight, of each reportable chemical substance at the time it is sent off-site from each site. If the chemical is site-limited, you must report the maximum concentration, measured by percentage of weight, of the reportable chemical substance at the time it is reacted on-site to produce a different chemical substance. This information must be reported regardless of the physical form(s) in which the substance is sent off-site/reacted on-site. For each substance at each site, select the maximum concentration of the substance from among the ranges listed in the following table and report the corresponding code (i.e., M1 through M5):

CODES FOR REPORTING MAXIMUM
CONCENTRATION OF CHEMICAL SUBSTANCE

Codes	Concentration Range (% weight)
M1	Less than 1% by weight
M2	From 1 to 30% by weight
M3	From 31 to 60% by weight
M4	From 61 to 90% by weight
M5	Greater than 90% by weight

(vii) The physical form(s) of the reportable chemical substance as it is sent off-site from each site. If the chemical is site-limited, you must report the physical form(s) of the reportable chemical substance at the time it is reacted on-site to produce a different chemical substance. For each substance at each site, the submitter must

report as many physical forms as apply from among the physical forms listed below:

- (A) Dry powder.
- (B) Pellets or large crystals.
- (C) Water- or solvent-wet solid.
- (D) Other solid.
- (E) Gas or vapor.
- (F) Liquid.

(viii) Submitters must report the percentage, rounded off to the closest 10%, of total production volume of the reportable chemical substance, reported in response to paragraph (c)(3)(iv) of this section, that is associated with each physical form reported under paragraph (c)(3)(vii) of this section.

(4) *Specific information for chemical substances manufactured in amounts of 300,000 lbs. or more.* In addition to the information required under paragraphs (c)(1), (c)(2), and (c)(3) of this section, the following information must be reported for each reportable chemical substance manufactured (including imported) in an amount of 300,000 lbs. (136,077 kg) or more at any one site during calendar year 2005 or during the calendar year at 5-year intervals thereafter. Persons subject to paragraph (c)(4) of this section must report the information described in paragraphs (c)(4)(i) and (c)(4)(ii) of this section for each reportable chemical substance at sites under their control and at sites that receive a reportable chemical substance from the submitter directly or indirectly (including through a broker/distributor, from a customer of the submitter, etc.). Information reported in response to this paragraph must be reported only to the extent that it is readily obtainable by the submitter. Information required to be reported under this paragraph is limited to domestic (i.e., within the custom territory of the United States) processing and use activities. If information responsive to a given data requirement under this paragraph, including information in the form of an estimate, is not readily obtainable, the submitter is not required to respond to the requirement.

(i) *Industrial processing and use information.* (A) A designation indicating the type of industrial processing or use operation(s) at each site that receives a

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reportable substance from the submitter site directly or indirectly (whether the recipient site(s) are controlled by the submitter site or not). For each chemical substance, report the letters which correspond to the appropriate processing or use operation(s). A particular designation may need to be reported more than once, to the extent that a submitter reports more than one NAICS code (under paragraph (c)(4)(i)(B) of this section) that applies to a given designation under this paragraph.

Designation	Operation
PC	Processing as a reactant
PF	Processing - incorporation into formulation, mixture or reaction product
PA	Processing - incorporation into article
PK	Processing - repackaging
U	Use - non-incorporative activities

(B) The five-digit North American Industrial Classification System (NAICS) codes which best describe the industrial activities associated with each industrial processing or use operation reported under paragraph (c)(4)(i)(A) of this section. Information about how to find these codes is provided in the instruction booklet available from EPA at the address set forth in § 710.59. A particular NAICS code may need to be reported more than once, to the extent that a submitter reports more than one industrial function code (under paragraph (c)(4)(i)(C) of this section) that applies to a given NAICS code under this paragraph.

(C) For each NAICS code reported under paragraph (c)(4)(i)(B) of this section, code(s) from the following list must be selected to designate the industrial function category(ies) that best represents the specific manner in which the chemical substance is used. A particular industrial function category may need to be reported more than once, to the extent that a submitter reports more than one industrial processing or use operation/NAICS code combination (under paragraphs (c)(4)(i)(A) and (c)(4)(i)(B) of this section) that applies to a given industrial function category under this paragraph. If more than 10 unique combinations of industrial processing or use operations/NAICS codes/industrial function categories apply to a chemical

substance, submitters need only report the 10 unique combinations for the chemical substance that cumulatively represent the largest percentage of the submitter's production volume for that chemical, measured by weight.

CODES FOR REPORTING INDUSTRIAL FUNCTION CATEGORIES

Codes	Category
U01	Adsorbents and absorbents
U02	Adhesives and binding agents
U03	Aerosol propellants
U04	Agricultural chemicals (non-pesticidal)
U05	Anti-adhesive agents
U06	Bleaching agents
U07	Coloring agents, dyes
U08	Coloring agents, pigments
U09	Corrosion inhibitors and anti-scaling agents
U10	Fillers
U11	Fixing agents
U12	Flame retardants
U13	Flotation agents
U14	Fuels
U15	Functional fluids
U16	Intermediates
U17	Lubricants
U18	Odor agents
U19	Oxidizing agents
U20	pH-regulating agents
U21	Photosensitive chemicals
U22	Plating agents and metal surface treating agents
U23	Processing aid, not otherwise listed
U24	Process regulators, used in vulcanization or polymerization processes
U25	Process regulators, other than polymerization or vulcanization processes
U26	Reducing agents
U27	Solvents (for cleaning or degreasing)
U28	Solvents (which become part of product formulation or mixture)
U29	Solvents (for chemical manufacture and processing and are not part of product at greater than one percent by weight)
U30	Stabilizers
U31	Surface active agents
U32	Viscosity adjustors
U33	Other

(D) The estimated percentage, rounded off to the closest 10%, of total production volume of the reportable chemical substance associated with each combination of industrial processing or use operation, NAICS code and industrial function category. Where a particular combination of industrial processing or use operation, NAICS code and industrial function category accounts for 5% or less of the submitter's site's total production volume of a reportable chemical substance, the percentage must not be rounded off to zero % if the production volume attributable to that industrial processing or

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use operation, NAICS code and industrial function category combination is 300,000 lbs. (136,077 kg) or more during the reporting year. Instead, in such a case, submitters must report the percentage, rounded off to the closest 1%, of the submitter's site's total production volume of the reportable chemical substance associated with the particular combination of industrial processing or use operation, NAICS code and industrial function category.

(E) For each combination of industrial processing or use operation, NAICS code and industrial function category, the submitter must estimate the number of sites at which each reportable chemical substance is processed or used. For each combination associated with each substance, the submitter must select from among the ranges of sites listed in the following table and report the corresponding code (i.e., S1 through S7):

CODES FOR REPORTING NUMBERS OF SITES

Codes	Range
S1	less than 10 sites
S2	at least 10 but less than 25 sites
S3	at least 25 but less than 100 sites
S4	at least 100 but less than 250 sites
S5	at least 250 but less than 1,000 sites
S6	at least 1,000 but less than 10,000 sites
S7	10,000 or more sites

(F) For each combination of industrial processing or use operation, NAICS code and industrial function category, the submitter must estimate the number of workers reasonably likely to be exposed to each reportable chemical substance. For each combination associated with each substance, the submitter must select from among the worker ranges listed in paragraph (c)(3)(v) of this section and report the corresponding code (i.e., W1 through W8).

(ii) *Commercial and consumer use information.* (A) Using the codes listed in this paragraph, submitters must designate the commercial and consumer product category or categories that best describe the commercial and consumer products in which each reportable chemical substance is used (whether the recipient site(s) are controlled by the submitter site or not). If more than 10 codes apply to a chemical substance, submitters need only report

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the 10 codes for the chemical substance that cumulatively represent the largest percentage of the submitter's production volume for that chemical, measured by weight:

CODES FOR REPORTING COMMERCIAL AND CONSUMER PRODUCT CATEGORIES

Codes	Category
C01	Adhesives and sealants
C02	Agricultural products (non-pesticidal)
C03	Artists' supplies
C04	Automotive care products
C05	Electrical and electronic products
C06	Fabrics, textiles and apparel
C07	Glass and ceramic products
C08	Lawn and garden products (non-pesticidal)
C09	Leather products
C10	Lubricants, greases and fuel additives
C11	Metal products
C12	Paints and coatings
C13	Paper products
C14	Photographic supplies
C15	Polishes and sanitation goods
C16	Rubber and plastic products
C17	Soaps and detergents
C18	Transportation products
C19	Wood and wood furniture
C20	Other

(B) Submitters must determine, within each commercial and consumer product category reported under paragraph (c)(4)(ii)(A) of this section, whether any amount of each reportable chemical substance manufactured (including imported) by the submitter is present in (for example, a plasticizer chemical used to make pacifiers) or on (for example, as a component in the paint on a toy) any consumer products intended for use by children up to the age of 14, regardless of the concentration of the substance remaining in or on the product. Submitters must select from the following options: the chemical substance is used in or on any consumer products intended for use by children, the chemical substance is not used in or on any consumer products intended for use by children, or information as to whether the chemical substance is used in or on any consumer products intended for use by children is not readily obtainable.

(C) The estimated percentage, rounded off to the closest 10%, of the submitter's site's total production volume of the reportable chemical substance associated with each commercial and consumer product category. Where a particular commercial and consumer product category accounts for 5% or

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less of the total production volume of a reportable chemical substance, the percentage must not be rounded off to zero % if the production volume attributable to that commercial and consumer product category is 300,000 lbs. (136,077 kg) or more during the reporting year. Instead, in such a case, submitters must report the percentage, rounded off to the closest 1%, of the submitter's site's total production volume of the reportable chemical substance associated with the particular commercial and consumer product category.

(D) Where the reportable chemical substance is used in commercial or consumer products, the estimated typical maximum concentration, measured by weight, of the chemical substance in each commercial and consumer product category reported under paragraph (c)(4)(ii)(A) of this section. For each substance in each commercial and consumer product category reported under paragraph (c)(4)(ii)(A) of this section, submitters must select from among the ranges of concentrations listed in the table in paragraph (c)(3)(vi) of this section and report the corresponding code (i.e., M1 through M5).

[68 FR 890, Jan. 7, 2003, as amended at 69 FR 40791, July 7, 2004; 70 FR 75069, Dec. 19, 2005; 71 FR 52498, Sept. 6, 2006]

§ 710.53 When to report.

All information reported to EPA in response to the requirements of this subpart must be submitted during an applicable submission period. The first submission period is from August 25, 2006, to March 23, 2007. Subsequent recurring submission periods are from June 1 to September 30 at 5-year intervals after the first submission period. Any person described in § 710.48(a) must report during each submission period for each chemical substance described in § 710.45 that the person manufactured (including imported) during the preceding calendar year (i.e., the "reporting year"). Notwithstanding the foregoing, and without any alteration of the status or timing of any subsequent submission period, the second submission period (which would other-

wise be from June 1, 2011 to September 30, 2011) is suspended.

[70 FR 75069, Dec. 19, 2005, as amended at 71 FR 76206, Dec. 20, 2006; 76 FR 27273, May 11, 2011]

§ 710.55 Duplicative reporting.

(a) *With regard to section 8(a) rules.* Any person subject to the requirements of this part who previously has complied with reporting requirements of a rule under section 8(a) of the Act by submitting the information described in § 710.52 for a chemical substance described in § 710.45 to EPA, and has done so within 1 year of the start of a submission period described in § 710.53, is not required to report again on the manufacture of that substance at that site during that submission period.

(b) *With regard to importers.* This part requires that only one report be submitted on each import transaction involving a chemical substance described in § 710.45. When two or more persons are involved in a particular import transaction and each person meets the Agency's definition of "importer" as set forth in §§ 710.3 and 704.3 of this chapter, they may determine among themselves who should submit the required report; if no report is submitted as required under this part, EPA will hold each such person liable for failure to report.

§ 710.57 Recordkeeping requirements.

Each person who is subject to the reporting requirements of this subpart must retain records that document any information reported to EPA. Records relevant to reporting during a submission period must be retained for a period of 5 years beginning on the last day of the submission period. Submitters are encouraged to retain their records longer than 5 years to ensure that past records are available as a reference when new submissions are being generated.

[70 FR 75070, Dec. 19, 2005]

§ 710.58 Confidentiality.

(a) Any person submitting information under this subpart may assert a business confidentiality claim for the information at the time it is submitted. These claims will apply only to

the information submitted with the claim. New confidentiality claims, if necessary, must be asserted with regard to information submitted during the next submission period. Guidance for asserting confidentiality claims is provided in the instruction booklet identified in §710.59. Information claimed as confidential in accordance with this section will be treated and disclosed in accordance with the procedures in part 2 of this chapter.

(b) *Chemical identity.* A person may assert a claim of confidentiality for the chemical identity of a specific chemical substance only if the identity of that substance is treated as confidential in the Master Inventory File as of the time the report is submitted for that substance under this subpart. The following steps must be taken to assert a claim of confidentiality for the identity of a reportable chemical substance:

(1) The submitter must submit with the report detailed written answers to the following questions signed and dated by an authorized official.

(i) What harmful effects to your competitive position, if any, do you think would result from the identity of the chemical substance being disclosed in connection with reporting under this subpart? How could a competitor use such information? Would the effects of disclosure be substantial? What is the causal relationship between the disclosure and the harmful effects?

(ii) How long should confidential treatment be given? Until a specific date, the occurrence of a specific event, or permanently? Why?

(iii) Has the chemical substance been patented? If so, have you granted licenses to others with respect to the patent as it applies to the chemical substance? If the chemical substance has been patented and therefore disclosed through the patent, why should it be treated as confidential?

(iv) Has the identity of the chemical substance been kept confidential to the extent that your competitors do not know it is being manufactured or imported for a commercial purpose by anyone?

(v) Is the fact that the chemical substance is being manufactured (including imported) for a commercial purpose

available to the public, for example in technical journals, libraries, or State, local, or Federal agency public files?

(vi) What measures have been taken to prevent undesired disclosure of the fact that the chemical substance is being manufactured (including imported) for a commercial purpose?

(vii) To what extent has the fact that this chemical substance is manufactured (including imported) for commercial purposes been revealed to others? What precautions have been taken regarding these disclosures? Have there been public disclosures or disclosures to competitors?

(viii) Does this particular chemical substance leave the site of manufacture (including import) in any form, e.g., as product, effluent, emission? If so, what measures have been taken to guard against the discovery of its identity?

(ix) If the chemical substance leaves the site in a product that is available to the public or your competitors, can the substance be identified by analysis of the product?

(x) For what purpose do you manufacture (including import) the substance?

(xi) Has EPA, another Federal agency, or any Federal court made any pertinent confidentiality determinations regarding this chemical substance? If so, please attach copies of such determinations.

(2) If any of the information contained in the answers to the questions listed in paragraph (b)(1) of this section is asserted to contain confidential business information, the submitter must clearly identify the information that is claimed confidential by marking the specific information on each page with a label such as “confidential business information,” “proprietary,” or “trade secret.”

(c) *Site identity.* A submitter may assert a claim of confidentiality for a site only if the linkage of the site with a reportable chemical is confidential and not publicly available. The following steps must be taken to assert a claim of confidentiality for a site identity:

(1) The submitter must submit with the report detailed written answers to

the following questions signed and dated by an authorized official:

(i) Has site information been linked with a chemical identity in any other Federal, state or local reporting scheme? For example, is the chemical identity linked to a facility in a filing under the Emergency Planning and Community Right-to-Know Act (EPCRA) section 311, namely through a Material Safety Data Sheet (MSDS)? If so, identify all such schemes. Was the linkage claimed as confidential in any of these instances?

(ii) What harmful effect, if any, to your competitive position do you think would result from the identity of the site and the chemical substance being disclosed in connection with reporting under this subpart? How could a competitor use such information? Would the effects of disclosure be substantial? What is the causal relationship between the disclosure and the harmful effects?

(2) If any of the information contained in the answers to the questions listed in paragraph (c)(1) of this section is asserted to contain confidential business information, the submitter must clearly identify the information that is claimed confidential by marking the specific information on each page with a label such as "confidential business information," "proprietary," or "trade secret."

(d) If no claim of confidentiality is indicated on the reporting form submitted to EPA under this subpart, or if confidentiality claim substantiation required under paragraphs (b) and (c) of this section is not submitted with the reporting form, EPA may make the information available to the public without further notice to the submitter.

[68 FR 890, Jan. 7, 2003, as amended at 69 FR 40791, July 7, 2004]

§ 710.59 Availability of reporting form and instructions.

(a) *Use the proper EPA form.* You must use the EPA form identified as "Form U" to submit written information in response to the requirements of this subpart. Instructions for obtaining copies of Form U are in paragraph (c) of this section.

(b) *Follow the reporting instructions.* You should follow the detailed instruc-

tions for completing and submitting an electronic or hard copy report. Instructions given in the EPA publication titled, "Instructions for Reporting for the 2006 Partial Updating of the TSCA Chemical Inventory Database," are available as described in paragraph (c) of this section. EPA encourages reporting sites subject to this part to submit the required information to EPA electronically.

(c) *Obtain the reporting package and copies of the form.* You can obtain the reporting form or software, reporting instructions, and other associated documents as follows:

(1) *By website.* Go to the EPA Inventory Update Reporting Internet home page at <http://www.epa.gov/oppt/iur> and follow the appropriate links. EPA encourages reporting sites subject to this subpart to visit this home page.

(2) *By phone.* Call the EPA TSCA Hotline at (202) 554-1404.

(3) *By e-mail.* Send an e-mail request for this information to the EPA TSCA Hotline at TSCA-Hotline@epa.gov.

(4) *By mail.* Send a written request for this information to the following address: TSCA Hotline, Mail Code 7408M, ATTN: Inventory Update Reporting, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001.

[71 FR 52498, Sept. 6, 2006]

PART 712—CHEMICAL INFORMATION RULES

Subpart A—General Provisions

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